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Monthly Meeting

SAME/ASCE Joint Meeting

A joint SAME/ASCE lunch meeting will be held Thursday, April 10 at the Quad City Botanical Center. The meeting will include a presentation about LiDAR Applications in Water Resources by Tim Barnett of Ayres Associates, Madison, Wisconsin.

When: Thursday, April 10

Social Hour at 11:30 A.M.

Program/Lunch at Noon

Guest Speaker at 12:45 P.M.

Luncheon Concludes at 1:30 P.M.

Where: Quad City Botanical Center, 2525 4th Avenue, Rock Island

The buffet dinner will include chicken Kiev, glazed baby carrots, au gratin potatoes, assorted salads, dinner rolls, and beverage. The cost for government employees and retirees will be \$10 per person, and the cost for private sector employees will be \$15 per person. Please pay Cory Haberman of SAME at the door as you arrive.

If you plan to attend, please RSVP to Cory Haberman at (309) 794-5129 or cory.j.haberman@usace.army.mil.

About the presentation:

LiDAR (Light Detection And Ranging) derived three-dimensional surface models are quickly replacing the stereo compiled digital terrain models (DTM) and contours. A LiDAR dataset offers a wealth of information for many natural resources, engineering, GIS, and mapping applications. However, the LiDAR dataset can be overwhelming to the end user due to the sheer size of the data files and the number of LiDAR points within each file.

Many counties, municipalities, and government agencies have questions about managing and using the LiDAR data in their day-to-day GIS and mapping applications. Mr. Barnett's presentation will illustrate what a typical LiDAR dataset looks like, what types of applications the data can be used for, and how the data can be used and manipulated in the ArcGIS 3D Analyst program extension.

Mr. Barnett joined Ayres Associates in 1988, bringing experience in photogrammetric mapping and cartographic mapping production from the New York Department of Transportation, and mapping design production experience from the University of Wisconsin Cartography Lab in Madison, Wisconsin. At Ayres Associates he serves as Manager of GIS Services and also manages photogrammetric mapping projects. While at Ayres Associates, Mr. Barnett's project management experience includes the ongoing GIS Consortium mapping project in the Chicago suburbs, two Wisconsin County LiDAR projects in 2008, multiple digital orthophotography projects in Wisconsin and Illinois, and an a number of municipal GIS consulting projects.

Mr. Barnett has a 1979 Bachelor of Science degree from the University of Wisconsin – Stevens Point in Watershed Management and Soil Science,

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and continuing education credits in Cartography and Remote Sensing from the University of Wisconsin – Madison.

Local News

Exploring Engineering Night was a Success

A very successful Exploring Engineering Night event was held March 11, 2008 on the campus of St. Ambrose University. Overall attendance was 76 people, including 40 students. ASCE QC Section was well-represented at the event. ASCE member Jason Holdorf providing a presentation about the civil engineering profession, and ASCE members Karl Donaubauer, Eric Johnson, and Brian Porter also attended and shared their experience and perspectives with potential engineering students. A big thanks goes out to the ASCE members who contributed to this successful event.

National News

ASCE's website (www.asce.org) is updated regularly with new information on ASCE programs, news, and continuing education offerings. Hyperlinks are included for each of the following topics. To access ASCE National's website and obtain additional information about these topics, hold the "Ctrl" key and click on the hyperlink.

ASCE publishes a weekly newsletter about federal government news that affects the civil engineering profession. The newsletters can be read at [This Week in Washington](#).

ASCE offers both live online seminars and self-paced review courses to prepare for the P.E. exam. Refer to the [PE Review Offerings From ASCE](#) website for more information.

Continuing education opportunities are available at [ASCE's Live Interactive Web Seminars \(Webinars\)](#).

Calendar of Events

Date	Event Details
April 10, 2008	SAME-ASCE Joint Lunch Meeting at The Quad City Botanical Center, Rock Island (Topic: LiDAR Applications in Water Resources)

If you are aware of any other upcoming events and/or activities that should be included in an upcoming newsletter, please email [Kole](#) with the details.

In order to reduce expenses, the Quad City Section sends its newsletters in electronic format only. If you are aware of a fellow Quad City Section Member that does not receive the newsletter, it means that ASCE National does not have their email address. To receive the newsletter, members must keep their email information current by contacting ASCE at 800.548.2723 or by visiting the Members Only section of the ASCE website at <http://www.asce.org/membersonly>. The Quad City Section does not sell email information to anyone. ASCE's Privacy Statement is available on the ASCE website.